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1 [Enhancing the security of corporate Wi-Fi networks using DAIR](#)

[Paramvir Bahi, Ranveer Chandra, Jitendra Padhye, Lenin Ravindranath, Ma Brian Zill](#)

June 2006 **MobiSys '06**: Proceedings of the 4th international conference on mobile systems, applications, and services

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (302.26 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 95, Downloads (12 Months): 426, Citations

We present a framework for monitoring enterprise wireless networks using the DAIR framework. The DAIR framework is called DAIR, which is short for *Dense Array of Inexpensive Routers*. The DAIR framework is useful for detecting ...

Keywords: 802.11, denial-of-service, rogue AP, security, wireless network

2 [Crossover scaling effects in aggregated TCP traffic with congestion](#)

[Michael Liljenstam, Andy T. Ogiński](#)

November 2002 **SIGCOMM Computer Communication Review**, Volume 32

Publisher: ACM

Full text available: [Pdf](#) (713.53 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 20, Citations

We critically examine the claims that TCP congestion control contributes to traffic rate correlations. A simulation model is designed to analyze aggregated traffic transfers, with network topologies large enough ...

Keywords: TCP, self-similarity

3 [Fast joins using join indices](#)

[Zhe Li, Kenneth A. Ross](#)

April 1999 **The VLDB Journal — The International Journal on Very Large Databases**

Publisher: Springer-Verlag New York, Inc.

Full text available: [Pdf](#) (263.06 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

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Two new algorithms, "Jive join" and "Slam join," are proposed for comp using a join index. The algorithms are duals: Jive join range-partitions i processes each partition, ...


Keywords: Decision support systems, Query processing

4 [Order preserving encryption for numeric data](#)

 [Rakesh Agrawal, Jerry Kiernan, Ramakrishnan Srikant, Yirong Xu](#)

June 2004 **SIGMOD '04**: Proceedings of the 2004 ACM SIGMOD internat Management of data

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (188.60 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 201, Citatic


Encryption is a well established technology for protecting sensitive data data can no longer be easily queried aside from exact matches. We pres encryption scheme for numeric data that allows any comparison ...

5 [Analysis of a campus-wide wireless network](#)

[David Kotz, Kobby Essien](#)

January 2005 **Wireless Networks**, Volume 11 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (829.94 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 238, Citatic

Understanding usage patterns in wireless local-area networks (WLANs) develop, deploy, and manage WLAN technology, as well as those who d software for wireless networks. This paper presents results ...

Keywords: 802.11, WLAN, Wi-Fi, wireless network, workload character

6 [A Geometric Programming Framework for Optimal Multi-Level Tiling](#)

[Lakshminarayanan Penganarayana, Sanjay Rajopadhye](#)

November 2004 **SC '04**: Proceedings of the 2004 ACM/IEEE conference on S


Publisher: IEEE Computer Society

Full text available:  Pdf (517.47 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 31, Citation

Determining the optimal tile size-one that minimizes the execution time compilation and performance tuning of loop kernels. Designing a model a tiled loop nest is an important subproblem. Both ...

7 [Robust implicit EDF: A wireless MAC protocol for collaborative real-t](#)

 [Tanya L. Crenshaw, Spencer Hoke, Ajay Tirumala, Marco Caccamo](#)

September 2007 **Transactions on Embedded Computing Systems (TEC**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (663.47 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 112, Citations: 0

Advances in wireless technology have brought us closer to extensive deployment of time embedded systems connected through a wireless channel. The media access layer protocol is critical in providing a real-time guarantee. ...


Keywords: Earliest deadline first, medium-access control, real time, wireless

8 Probabilistic model for definitional question answering

 [Kyoung-Seo Han](#), [Young-In Song](#), [Hae-Chang Rim](#)

August 2006 **SIGIR '06**: Proceedings of the 29th annual international ACM conference on Information Science and development in information retrieval

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (195.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 149, Citations: 0

This paper proposes a probabilistic model for definitional question answering. It analyzes the characteristics of the definitional question. The intention of the definition is to provide a definition about the question target. Therefore, ...

Keywords: definitional question answering, language model, probabilistic

9 Phase tracking and prediction

 [Timothy Sherwood](#), [Suleyman Sair](#), [Brad Calder](#)

June 2003 **ISCA '03**: Proceedings of the 30th annual international symposium on Computer Architecture

Publisher: ACM

Full text available:  Pdf (674.18 KB) Additional Information: [full citation](#), [abstract](#), [references](#)


Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 74, Citations: 0

In a single second a modern processor can execute billions of instructions. Predicting the behavior of a program at these speeds can be a difficult task when the program is executed by cycle examination. In many programs, behavior ...

Also published in:


May 2003 **SIGARCH Computer Architecture News** Volume 31 Issue 2

10 Conflict analysis in multiprocess synthesis for optimized system integration

 [Oliver Bringmann](#), [Wolfgang Rosenstiel](#), [Axel Siebenborn](#)

September 2005 **CODES+ISSS '05**: Proceedings of the 3rd IEEE/ACM/IFIP conference on Hardware/software codesign and system synthesis

Publisher: ACM

Full text available:  Pdf (298.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 31, Citations: 0

This paper presents a novel approach for multiprocess synthesis support. It integrates hardware and software synthesis at system level. The goal is to extend the local scope of existing approaches in order to apply global optimization techniques ...


Keywords: behavioral synthesis, binding, concurrent systems, scheduling systems-on-chip

11 [System-level power optimization: techniques and tools](#)

 [Luca Benini, Giovanni de Micheli](#)

April 2000 **Transactions on Design Automation of Electronic Systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (385.22 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 77, Downloads (12 Months): 588, Citations

This tutorial surveys design methods for energy-efficient system-level designs consisting of a hardware platform and software layers. We consider constituents of hardware that consume energy, namely computation, ...

12 [A geometric approach to improving active packet loss measurement](#)

[Joel Sommers, Paul Barford, Nick Duffield, Amos Ron](#)

April 2008 **IEEE/ ACM Transactions on Networking (TON)**, Volume 16 Is

Publisher: IEEE Press

Full text available:  [Pdf](#) (1.05 MB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 168, Citations

Measurement and estimation of packet loss characteristics are challenging due to the occurrence and typically short duration of packet loss episodes. While a method is used to measure packet loss on end-to-end paths, ...

Keywords: BADABING, active measurement, network congestion, network


13 [Staged allocation: a compositional technique for specifying and implementing calling conventions](#)



[Reuben Olinsky, Christian Lindig, Norman Ramsey](#)

January 2006 **POPL '06**: Conference record of the 33rd ACM SIGPLAN-SIGPLAN programming languages

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (179.36 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 40, Citations

We present *staged allocation*, a technique for specifying calling conventions and allocators called *stages*. A specification written using staged allocation can be executed directly inside ...

Keywords: calling conventions

Also published in:

January 2006 **SIGPLAN Notices** Volume 41 Issue 1

14 [Weather forecasting: predicting performance for streaming video over the Internet](#)



[Mingzhe Li, Feng Li, Mark Claypool, Robert Kinicki](#)

June 2005 **NOSSDAV '05**: Proceedings of the international workshop on Network support for digital audio and video

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (417.30 KB)


Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 55, Citation

The growth of wireless LANs has brought the expectation for high-bitrate PCs. However, it remains unclear how wireless channel characteristics in video sent over wireless LANs. This paper presents ...


Keywords: IEEE 802.11, streaming media, wireless

15 [Adaptive object code compression](#)

 [John Gilbert](#), [David M. Abrahamson](#)

October 2006 **CASES '06: Proceedings of the 2006 international conference synthesis for embedded systems**

Publisher: ACM

Full text available:  Pdf (3.90 MB)


Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 35, Citation

Previous object code compression schemes have employed static and search algorithms to reduce the size of instruction memory in embedded systems. number of researchers that adaptive compression techniques are unlike


Keywords: code compaction, code compression, code size reduction

16 [Assembly instruction level reverse execution for debugging](#)

 [Tankut Akgul](#), [Vincent J. Mooney III](#)

April 2004 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.18 MB)


Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 85, Citation

Assembly instruction level reverse execution provides a programmer with a program to a previous state in its execution history via execution of a "reverse" execute a program in reverse is advantageous for ...

Keywords: Debugging, reverse code generation, reverse execution

17 [An agile development methodology applied to embedded control software hardware constraints](#)

 [Lucas Cordeiro](#), [Carlos Mar](#), [Eduardo Valentin](#), [Fabiano Cruz](#), [Daniel Patrick Lucena](#)

January 2008 **SI GSOFT Software Engineering Notes**, Volume 33 Issue 1

Publisher: ACM

Full text available:  Pdf (499.75 KB)

Additional Information: [full citation](#), [abstract](#), [n](#)




Bibliometrics: Downloads (6 Weeks): 65, Downloads (12 Months): 375, Citation

In recent years, discrete control systems play an important role in the control

of modern civilization and technology. Practically every aspect of our life control systems. This kind of system maybe classified ...

Keywords: agile methodologies, embedded agile development, health platform-based design, real-time software

18 [Analyzing the browse patterns of mobile clients](#)


 [Atul Adya, Paramvir Bahl, Lili Qiu](#)
November 2001 **IMW '01**: Proceedings of the 1st ACM SIGCOMM Workshop
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (1.00 MB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 54, Citation

We study the dynamics of a large popular commercial Web site designer access it via their cell-phones and PDAs. Unlike most previous Web stuc accesses seen by proxies and servers from clients connected ...

19 [A polymorphic shellcode detection mechanism in the network](#)

[Hsiang-Lun Huang, Tzong-Jye Liu, Kuong-Ho Chen, Chyi-Ren Dow, Lih-Chy](#)
June 2007 **InfoScale '07**: Proceedings of the 2nd international conference systems





Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecom
Full text available:  [Pdf](#) (322.13 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 68, Citation

Buffer overflow attack is a major security problem in recent years. The | shellcode becomes more and more popular along with development of I method to detect the polymorphic shellcode for Windows ...

Keywords: buffer overflow, intrusion detection system, polymorphic sh

20 [Business applications of unstructured text](#)

 [William L. Kuechler](#)
October 2007 **Communications of the ACM**, Volume 50 Issue 10
Publisher: ACM  [Request Permissions](#)
Full text available:  [Html](#) (32.95 KB),  [Pdf](#) (143.02 KB) Additional Information: [full citat](#)

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